OIPE JC12 APR 17 2007 PATENT & TRADEMARK OFFICE

Please type a plus sign (+) inside this box [+]

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	R. Bawa
Attorney Docket Number	0037.00

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
A.D.L	6	~~A. MALTON ET AL., "A Comparison of In Vitro Drug Delivery from Two Multidose Powder Inhalation Devices," Eur J Clin Res, p. 177-195, (1995).~~	
	7	~~A. MALTON ET AL., "A Commpartison of In-Vitro Drug Delivery from Salbutamol Diskus and Terbutaline Tubohaler," J. Pham. Med., p. 35-48, (1996).~~	
	8	~~NEWHOUSE ET AL., "Clickhaler (a Novel Dry Powder Inhaler) Provides Similar Bronchodilation to Pressurized Metered-Dose Inhale, Even at Low Flow Rates," Clinical Investigation, p. 952-956, (1999).~~	
	9	~~BARROWCLIFFE ET AL., "The In-Vitro Evaluation of a Novel, Multi-Dose Dry Powder Inhaler," The Acrosol Society, p. 82-85, (1996).~~	
	10	~~PRIME ET AL., "Flow Targeting System for DPI Clinical Trials," J. Acrosol Med., p. 137, (1995).~~	
	11	~~CHRYSTYN, "The Diskus Inhaler," Clinical Drug Investigations,~~	
A.D.L	12	~~GONWAY et al., "Comparison of Peak Pressure Drops by Four different Powder Inhalation Devices in Cildren", Am. J. Respir. Crit. Care Med., 153, A59, (1996).~~	

Examiner Signature	Carren L Penn	Date Considered	9 / 1 / 06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box [+]

PTO/SB/08B (10-96)
Appro for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	R. Bawa
Attorney Docket Number	0037.00

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
AJL	6	~~A. MALTON ET AL., "A Comparison of In Vitro Drug Delivery from Two Multidose Powder Inhalation Devices." Eur J Clin Res. p. 177-195, (1995).~~	
	7	~~A. MALTON ET AL., "A Commpartison of In Vitro Drug Delivery from Salbutamol Diskus and Terbutaline Tubohaler," J. Pham. Med., p. 35-48, (1996).~~	
	8	~~NEWHOUSE ET AL., "Clickhaler (a Novel Dry Powder Inhaler) Provides Similar Bronchodilation to Pressurized Metered Dose Inhale, Even at Low Flow Rates," Clinical Investigation, p. 952-956, (1999).~~	
	9	~~BARROWCLIFFE ET AL., "The In Vitro Evaluation of a Novel, Multi-Dose Dry Powder Inhaler," The Aerosol Society, p. 82-85, (1996).~~	
	10	~~PRIME ET AL., "Flow Targeting System for DPI Clinical Trials," J. Aerosol Med., p. 137, (1995).~~	
	11	~~CHRYSTYN, "The Diskus Inhaler," Clinical Drug Investigations.~~	
AJL	12	~~CONWAY et al., "Comparison of Peak Pressure Drops by Four different Powder Inhalation Devices in Cildren", Am. J. Respir. Crit. Care Med., 153, A59, (1996)~~	

Examiner Signature	Aaron J Lee	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

OIPE SEP 2 8 2001 PATENT & TRADEMARK OFFICE

Other Documents

Examiner Initial		No.	Author, Title, Date, Place (e.g. Journal) of Publication
A.L.L		E	~~Clark et al.~~ "The Relationship Between Powder ~~Inhaler Resistance and Peak~~ Inspiratory ~~Conditions in Healthy Volunteers~~- Implications for In Vitro ~~Testing~~" Journal of Aerosol Medicine, vol. 6, no. 2, ~~pp. 99-110, 1993.~~
		F	~~Hill,~~ "~~Characteristics of an Active, Multiple Dose Dry Powder Inhaler~~" ~~Respiratory~~ Drug Delivery IV, ~~pp 109-116 (1994)~~.
		G	~~Dolovich~~ "Physical Principles ~~Underlying Aerosol Therapy" Journal of Aerosol Medicine~~, vol. 2, no. 2, ~~pp. 171-186, 1989~~.
		H	~~Clark "Effect of Powder~~ Inhaler Resistance ~~Upon Inspiratory Profiles in Helath and Disease" Respiratory Drug Delivery IV, pp. 117-123, (1994).~~
		I	~~Ross et al.~~ "Effect of Inhalation Flow Rate on the ~~Dosing Characteristics of Dry~~ Powder Inhaler ~~(DPI) and Metered Dose Inhaler (MDI) Products" Journal of Aerosol~~ Medicine, vol. 9, no. 2, pp. 215-226 (1996).
A.L.L		J	~~Lawford et al.~~ "Pressurized Aerosol ~~Inhlaer Techniques: How Important are~~ Inhalation from ~~Residual Volume, Inspiratory Flow Rate and the Time Interval Between~~ Puffs?" J. Dis. Chest, 77, pp. 276-281 (1983).

Examiner: Aaron J Lau	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1[illegible] persons are required to respond to a collection of informa[illegible] unless it contains a valid OMB control number.

OIPE
JUL 31 2000
PATENT & TRADEMARK OFFICE
TC 1600 2900

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	
Attorney Docket Number	0037.00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
[illegible]	6	4,592,348		Waters et al.	06/03/1986	
[illegible]	7	5,692,496		Leith et al.	12/02/1997	
[illegible]	8	5,027,806		Harrington et al.	07/02/1991	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
[illegible]	9	EP	0 808 635		Bespak PLC	11/26/1997		

Examiner Signature	[illegible]	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,338,931		Cavazza	07/13/1982	
	AB	4,907,583		Wetterlin et al.	03/13/1990	
	AC	4,926,852		Zoltan et al.	05/22/1990	
	AD	4,955,371		Zamba et al.	09/11/1990	
	AE	4,991,745		Brown	02/12/1991	
	AF	5,027,806		Zoltan et al.	07/02/1991	
	AG	5,033,655		Brown	07/23/1991	
	AH	5,042,472		Bunin	08/27/1991	
	AI	5,161,524		Evans	11/10/1992	
	AJ	5,184,641		Kuhn	02/09/1993	
	AK	5,201,308		Newhouse	04/13/1993	
	AL	5,213,236		Brown et al.	05/25/1993	
	AM	5,339,995		Brown et al.	08/23/1994	
	AN	5,377,877		Brown et al.	01/03/1995	
	AO	5,385,140		Smith	01/31/1995	
	AP	5,409,144		Brown	04/25/1995	
	AQ	5,435,301		Herold et al.	07/25/1995	
	AR	5,437,271		Hodson et al.	08/01/1995	
	AS	5,439,143		Brown et al.	08/08/1995	
	AT	5,447,151		Bruna et al.	09/05/1995	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	CL	EP	0,714,314		Fisons plc	10/14/1998		
	CM	EP	0,805,696		Direct-Haler A/S	03/15/2000		
	CN	EP	0,808,635		Bespak PLC	11/26/1997		
	CO	WO	91/14422		MN Mining & Mfg.Co	02/10/1991		
	CP	WO	96/09085		Inhale Therapeutic	02/03/1996		
	CQ	WO	96/32149		Inhale Therapeutic	02/10/1996		

Examiner Signature	Carrie L Lam	Date Considered	9	1	06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0851-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

PE 2001
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AJP	AU	5,458,135		Patton et al.	10/17/1995	
	AV	5,483,954		Mecikalski	01/16/1996	
	AW	5,513,630		Century	05/07/1996	
	AX	5,529,059		Armstrong et al.	06/25/1996	
	AY	5,533,505		Kallstrand et al.	07/09/1996	
	AZ	5,542,412		Century	08/06/1996	
	BA	5,568,807		Mecikalski	10/29/1996	
	BB	5,617,845		Poss et al.	04/08/1997	
	BC	5,653,223		Pruitt	08/05/1997	
	BD	5,654,007		Johnson et al.	08/05/1997	
	BE	5,655,520		Howe et al.	08/12/1997	
	BF	5,692,496		Casper et al.	12/02/1997	
	BG	5,699,789		Hendricks	12/23/1997	
	BH	5,724,959		McAughey et al.	03/10/1998	
	BI	5,727,546		Clarke et al.	03/17/1998	
	BJ	5,740,794		Smith et al.	04/21/1998	
	BK	5,775,320		Patton et al.	07/07/1998	
	BL	5,785,049		Smith et al.	07/28/1998	
	BM	5,813,401		Radcliff et al.	09/29/1998	
AJP	BO	5,826,571		Casper et al.	10/27/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	Carrie J. Low	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE JC1
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BP	5,826,633		Parks et al.	10/27/1998	
	BQ	5,875,776		Vaghefi	03/02/1999	
	BR	5,881,719		Gottenauer et al.	03/16/1999	
	BS	5,896,853		Howlett	04/27/1999	
	BT	5,921,237		Eisele et al.	07/13/1999	
	BU	5,922,354		Johnson et al.	07/13/1999	
	BV	5,975,076		Yianneskis et al.	11/02/1999	
	BW	5,983,893		Wetterlin	11/16/1999	
	BX	5,988,163		Casper et al.	11/23/1999	
	BY	6,006,747		Eisele et al.	12/28/1999	
	BZ	6,012,454		Hodson et al.	01/11/2000	
	CA	6,029,661		Whaley et al.	02/29/2000	
	CB	6,055,979		Fuchs	05/02/2000	
	CC	6,055,980		Mecikalski et al.	05/02/2000	
	CD	6,065,472		Anderson et al.	05/23/2000	
	CE	6,070,573		Howe et al.	06/06/2000	
	CF	6,089,228		Smith et al.	07/18/2000	
	CG	6,102,036		Slutsky et al.	08/15/2000	
	CH	6,105,574		Jahnsson	08/22/2000	
	CI	6,109,261		Clarke et al.	08/29/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	Darren L Lean	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE
MAR 01 2001
PATENT & TRADEMARK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CJ	6,116,237		Schultz et al.	09/12/2000	
	CK	6,116,239		Volgyesi	09/12/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
SEP 28 2001
PATENT & TRADEMARK OFFICE

U.S. Patent Documents

Examiner Initial		Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
A.J.L		2,587,215	2-26-1952	Priestly			
		3,837,341	9-24-1974	Bell			
		4,274,404	6-23-1981	Molzan et al.			
		4,442,856	4-17-1984	Betz			
		4,533,137	8-6-1985	Sonne			
		5,040,527	8-20-1991	Larson et al.			
		5,042,467	8-27-1991	Foley			
		5,301,666	4-12-1994	Lerk et al.			
		5,408,994	4-25-1995	Wass et al.			
		5,522,380	6-4-1996	Dwork			
		5,586,550	12-24-1996	Ivri et al.			
		5,823,183	10-20-1998	Casper et al.			
		5,855,202	1-5-1999	Andrade			
		5,884,620	3-23-1999	Gonda et al.			
		5,941,240	8-24-1999	Gonda et al.			
		6,029,663	2-29-2000	Eisele et al.			
		6,076,523	6-20-2000	Jones et al.			
		6,095,134	8-1-2000	Sievers et al.			
		6,116,238	9-12-2000	Jackson et al.			
		6,138,673	10-31-2000	Shepherd			
A.J.L		6,142,146	11-7-2000	Abrams et al.			

Examiner: Aaron J. Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OIPE JC184 SEP 28 2001 PATENT & TRADEMARK OFFICE

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

Other Documents

Examiner Initial		No.	Author, Title, Date, Place (e.g. Journal) of Publication						
A.J.L		A	WO97/40819	11-6-1997	PCT	—	—		
A.J.L		B	WO00/21594	4-20-2000	PCT	—	—		
A.J.L		C	WO99/46055	6-16-1999	PCT	—	—		
A.J.L		D	WO98/32479	7-30-1998	PCT	—	—		
A.J.L		E	1,598,053	9-16-1981	Great Britain	—	—		

Examiner: Aaron J Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

PTO/SB/08A (10-96)

Appr for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OIPE SEP 28 2001 PATENT & TRADEMARK OFFICE 2184

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	0037.00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AJP	1	5,320,094		Laube et al.	06/14/1994	
AJP	2	5,364,838		Rubsamen et al.	11/15/1994	
AJP	3	5,672,581		Rubsamen	09/30/1997	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
AJP	4	WO	97 40819		Dura	11/06/1997		
AJP	5	EP	692990		Minnesota Mining	09/23/1998		

Examiner Signature	Darren J Lew	Date Considered	9	1	06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets If Necessary)	Filing Date: 10-7-99	Group: 3761

SEP 2 8 2001
PATENT & TRADEMARK OFFICE
TC1700 TC1784

U.S. Patent Documents

Examiner Initial		Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
A.J.L		3,788,310	1-29-1974	Fleischmann	—	—	
		4,106,503	8-15-1978	Rosenthal et al.	—	—	
		4,484,577	11-27-1984	Sackner et al.	—	—	
		4,627,432	12-9-1986	Newell et al.	—	—	
		4,677,975	7-7-1987	Edgar et al.	—	—	
		4,778,054	10-18-1988	Newell et al.	—	—	
		4,811,731	3-14-1989	Newell et al.	—	—	
		5,284,133	2-8-1994	Burns et al.	—	—	
		5,419,315	5-30-1995	Rubsamen	—	—	
		5,558,085	9-24-1996	Rubsamen et al.	—	—	
		5,622,166	4-22-1997	Eisele et al.	—	—	
		5,692,492	12-2-1997	Bruna et al.	—	—	
		5,873,358	2-23-1999	Gonda et al.	—	—	
		5,993,421	11-30-1999	Kriesel	—	—	
A.J.L		6,085,753	7-11-2000	Gonda et al.	—	—	

Examiner: Lauren J. Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OIPE JC1700
SEP 2 8 2001
PATENT & TRADEMARK OFFICE

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

Foreign Patent or Published Foreign Patent Application

Examiner Initial		No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
A.J.L		A	WO99/27987	6-10-1999	PCT	—	—		
A.J.L		B	WO95/34337	12-21-1995	PCT	—	—		
A.J.L		C	WO99/47196	9-23-1999	PCT	—	—		
A.J.L		D	WO95/24183	9-14-95	PCT	—	—		

Examiner: Aaron J Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box –

PTO/SB/08B (10-96)
Appl for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

*Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	0037.00

SEP 2 8 2001
TECHNOLOGY CENTER 1600
PATENT & TRADEMARK OFFICE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
A.F.L	1A	ELLIOTT ET AL., "," Aust. Paediatr. J., p. 293-297, (February 28, 1987).	

Examiner Signature	Aaron L Lewis	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

U.S.P.E. JC79 NOV 04 2002 PATENT & TRADEMARK OFFICE

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Art Unit	3236
Examiner Name	A. Lewis
Attorney Docket Number	0037.00

RECEIVED NOV - 7 2002 TECHNOLOGY CENTER R3700

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
AAE	1	HU 213685		Norton Healthcare		
AAE	2	HU 217917		Dura		
AAE	3	HU 181864		Aktiebolaget Draco		
AAE	4	HU P9602818		Dura		

Examiner Signature	Andrew J. Lewis	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OIPE JC13 APR 17 2001 PATENT & TRADEMARK OFFICE

Please type a plus sign (+) inside this box [+]

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	R. Bawa
Attorney Docket Number	0037.00

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
A.D.L	6	~~A. MALTON ET AL., "A Comparison of In Vitro Drug Delivery from Two Multidose Powder Inhalation Devices," Eur J Clin Res, p. 177-195, (1995).~~	
	7	~~A. MALTON ET AL., "A Commpartison of In-Vitro Drug Delivery from Salbutamol Diskus and Terbutaline Tubohaler," J. Pham. Med., p. 35-48, (1996).~~	
	8	~~NEWHOUSE ET AL., "Clickhaler (a Novel Dry Powder Inhaler) Provides Similar Bronchodilation to Pressurized Metered-Dose Inhale, Even at Low Flow Rates," Clinical Investigation, p. 952-956, (1999).~~	
	9	~~BARROWCLIFFE ET AL., "The In-Vitro Evaluation of a Novel, Multi-Dose Dry Powder Inhaler," The Acrosol Society, p. 82-85, (1996).~~	
	10	~~PRIME ET AL., "Flow Targeting System for DPI Clinical Trials," J. Acrosol Med., p. 137, (1995).~~	
	11	~~CHRYSTYN, "The Diskus Inhaler," Clinical Drug Investigations,~~	
A.D.L	12	~~GONWAY et al., "Comparison of Peak Pressure Drops by Four different Powder Inhalation Devices in Cildren", Am. J. Respir. Crit. Care Med., 153, A59, (1996).~~	

Examiner Signature	Aaron J. Lewis	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box [+]

PTO/SB/08B (10-96)
Appro for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	R. Bawa
Attorney Docket Number	0037.00

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
AJL	6	~~A. MALTON ET AL., "A Comparison of In Vitro Drug Delivery from Two Multidose Powder Inhalation Devices," Eur J Clin Res, p. 177-195, (1995).~~	
	7	~~A. MALTON ET AL., "A Commpartison of In Vitro Drug Delivery from Salbutamol Diskus and Terbutaline Tubohaler," J. Pham. Med., p. 35-48, (1996).~~	
	8	~~NEWHOUSE ET AL., "Clickhaler (a Novel Dry Powder Inhaler) Provides Similar Bronchodilation to Pressurized Metered Dose Inhale, Even at Low Flow Rates," Clinical Investigation, p. 952-956, (1999).~~	
	9	~~BARROWCLIFFE ET AL., "The In-Vitro Evaluation of a Novel, Multi-Dose Dry Powder Inhaler," The Aerosol Society, p. 82-85, (1996).~~	
	10	~~PRIME ET AL., "Flow-Targeting System for DPI Clinical Trials," J. Aerosol Med., p. 137, (1995).~~	
	11	~~CHRYSTYN, "The Diskus Inhaler," Clinical Drug Investigations,~~	
AJL	12	~~CONWAY et al., "Comparison of Peak Pressure Drops by Four different Powder Inhalation Devices in Cildren", Am. J. Respir. Crit. Care Med., 153, A59, (1996)~~	

Examiner Signature	Karen J Lam	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

OIPE SEP 2 8 2001 PATENT & TRADEMARK OFFICE

Other Documents

Examiner Initial		No.	Author, Title, Date, Place (e.g. Journal) of Publication
A.L.L		E	~~Clark et al.~~ "The Relationship Between Powder ~~Inhaler Resistance and Peak~~ Inspiratory ~~Conditions in Healthy Volunteers~~- Implications for In Vitro ~~Testing~~" Journal of Aerosol Medicine, vol. 6, no. 2, ~~pp. 99-110, 1993.~~
		F	~~Hill, "Characteristics of an Active, Multiple Dose Dry Powder Inhaler" Respiratory~~ Drug Delivery IV, ~~pp 109-116 (1994)~~.
		G	~~Dolovich "Physical Principles Underlying Aerosol Therapy" Journal of Aerosol Medicine~~, vol. 2, no. 2, ~~pp. 171-186, 1989~~.
		H	~~Clark "Effect of Powder Inhaler Resistance Upon Inspiratory Profiles in Helath and Disease" Respiratory~~ Drug Delivery IV, ~~pp. 117-123, (1994).~~
		I	~~Ross et al. "Effect of Inhalation Flow Rate on the Dosing Characteristics of Dry~~ Powder Inhaler ~~(DPI) and Metered Dose Inhaler (MDI) Products" Journal of Aerosol~~ Medicine, vol. 9, no. 2, pp. 215-226 (1996).
A.L.L		J	~~Lawford et al. "Pressurized Aerosol Inhlaer Techniques: How Important are~~ Inhalation ~~from Residual Volume, Inspiratory Flow Rate and the Time Interval Between~~ Puffs?" J. Dis. Chest, 77, pp. 276-281 (1983).

Examiner: Karen J Lane	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1[illegible] persons are required to respond to a collection of informa[illegible] unless it contains a valid OMB control number.

JUL 31 2000 PATENT & TRADEMARK OFFICE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	
Attorney Docket Number	0037.00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	6	4,592,348		Waters et al.	06/03/1986	
	7	5,692,496		Leith et al.	12/02/1997	
	8	5,027,806		Harrington et al.	07/02/1991	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	9	EP	0 808 635		Bespak PLC	11/26/1997		

Examiner Signature		Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE
MAR 01 2001
PATENT & TRADEMARK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CJ	6,116,237		Schultz et al.	09/12/2000	
	CK	6,116,239		Volgyesi	09/12/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE JC
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BP	5,826,633		Parks et al.	10/27/1998	
	BQ	5,875,776		Vaghefi	03/02/1999	
	BR	5,881,719		Gottenauer et al.	03/16/1999	
	BS	5,896,853		Howlett	04/27/1999	
	BT	5,921,237		Eisele et al.	07/13/1999	
	BU	5,922,354		Johnson et al.	07/13/1999	
	BV	5,975,076		Yianneskis et al.	11/02/1999	
	BW	5,983,893		Wetterlin	11/16/1999	
	BX	5,988,163		Casper et al.	11/23/1999	
	BY	6,006,747		Eisele et al.	12/28/1999	
	BZ	6,012,454		Hodson et al.	01/11/2000	
	CA	6,029,661		Whaley et al.	02/29/2000	
	CB	6,055,979		Fuchs	05/02/2000	
	CC	6,055,980		Mecikalski et al.	05/02/2000	
	CD	6,065,472		Anderson et al.	05/23/2000	
	CE	6,070,573		Howe et al.	06/06/2000	
	CF	6,089,228		Smith et al.	07/18/2000	
	CG	6,102,036		Slutsky et al.	08/15/2000	
	CH	6,105,574		Jahnsson	08/22/2000	
	CI	6,109,261		Clarke et al.	08/29/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	Darren L Lewis	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for [redacted] through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

PE JC
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AJP	AU	5,458,135		Patton et al.	10/17/1995	
	AV	5,483,954		Mecikalski	01/16/1996	
	AW	5,513,630		Century	05/07/1996	
	AX	5,529,059		Armstrong et al.	06/25/1996	
	AY	5,533,505		Kallstrand et al.	07/09/1996	
	AZ	5,542,412		Century	08/06/1996	
	BA	5,568,807		Mecikalski	10/29/1996	
	BB	5,617,845		Poss et al.	04/08/1997	
	BC	5,653,223		Pruitt	08/05/1997	
	BD	5,654,007		Johnson et al.	08/05/1997	
	BE	5,655,520		Howe et al.	08/12/1997	
	BF	5,692,496		Casper et al.	12/02/1997	
	BG	5,699,789		Hendricks	12/23/1997	
	BH	5,724,959		McAughey et al.	03/10/1998	
	BI	5,727,546		Clarke et al.	03/17/1998	
	BJ	5,740,794		Smith et al.	04/21/1998	
	BK	5,775,320		Patton et al.	07/07/1998	
	BL	5,785,049		Smith et al.	07/28/1998	
	BM	5,813,401		Radcliff et al.	09/29/1998	
AJP	BO	5,826,571		Casper et al.	10/27/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	Clarence J Leon	Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1619
Examiner Name	
Attorney Docket Number	0037.00

OIPE
MAR 0 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,338,931		Cavazza	07/13/1982	
	AB	4,907,583		Wetterlin et al.	03/13/1990	
	AC	4,926,852		Zoltan et al.	05/22/1990	
	AD	4,955,371		Zamba et al.	09/11/1990	
	AE	4,991,745		Brown	02/12/1991	
	AF	5,027,806		Zoltan et al.	07/02/1991	
	AG	5,033,655		Brown	07/23/1991	
	AH	5,042,472		Bunin	08/27/1991	
	AI	5,161,524		Evans	11/10/1992	
	AJ	5,184,641		Kuhn	02/09/1993	
	AK	5,201,308		Newhouse	04/13/1993	
	AL	5,213,236		Brown et al.	05/25/1993	
	AM	5,339,995		Brown et al.	08/23/1994	
	AN	5,377,877		Brown et al.	01/03/1995	
	AO	5,385,140		Smith	01/31/1995	
	AP	5,409,144		Brown	04/25/1995	
	AQ	5,435,301		Herold et al.	07/25/1995	
	AR	5,437,271		Hodson et al.	08/01/1995	
	AS	5,439,143		Brown et al.	08/08/1995	
	AT	5,447,151		Bruna et al.	09/05/1995	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	CL	EP	0,714,314		Fisons plc	10/14/1998		
	CM	EP	0,805,696		Direct-Haler A/S	03/15/2000		
	CN	EP	0,808,635		Bespak PLC	11/26/1997		
	CO	WO	91/14422		MN Mining & Mfg.Co	02/10/1991		
	CP	WO	96/09085		Inhale Therapeutic	02/03/1996		
	CQ	WO	96/32149		Inhale Therapeutic	02/10/1996		

Examiner Signature	Date Considered
Doreen J. Lam	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OIPE
SEP 2 8 2001
PATENT & TRADEMARK OFFICE

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

Foreign Patent or Published Foreign Patent Application

Examiner Initial		No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
A.J.L		A	WO99/27987	6-10-1999	PCT	—	—		
A.J.L		B	WO95/34337	12-21-1995	PCT	—	—		
A.J.L		C	WO99/47196	9-23-1999	PCT	—	—		
A.J.L		D	WO95/24183	9-14-95	PCT	—	—		

Examiner: Aaron J Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets If Necessary)	Filing Date: 10-7-99	Group: 3761

SEP 2 8 2001
PATENT & TRADEMARK OFFICE
TC1700 TC1800 TC1600 TC1700 TC2100 TC2200 TC2300 TC2400 TC2500 TC2600 TC2700 TC2800 TC2900 TC3000 TC3100 TC3200 TC3300 TC3400 TC3500 TC3600 TC3700 TC3800 TC3900 TC4000 TC4100 TC4200 TC4300 TC4400 TC4500 TC4600 TC4700 TC4800 TC4900 TC5000 TC5100 TC5200 TC5300 TC5400 TC5500 TC5600 TC5700 TC5800 TC5900 TC6000 TC6100 TC6200 TC6300 TC6400 TC6500 TC6600 TC6700 TC6800 TC6900 TC7000 TC7100 TC7200 TC7300 TC7400 TC7500 TC7600 TC7700 TC7800 TC7900 TC8000 TC8100 TC8200 TC8300 TC8400 TC8500 TC8600 TC8700 TC8800 TC8900 TC9000 TC9100 TC9200 TC9300 TC9400 TC9500 TC9600 TC9700 TC9800 TC9900 TC10000 TC10100 TC10200 TC10300 TC10400 TC10500 TC10600 TC10700 TC10800 TC10900 TC11000 TC11100 TC11200 TC11300 TC11400 TC11500 TC11600 TC11700 TC11800 TC11900 TC12000 TC12100 TC12200 TC12300 TC12400 TC12500 TC12600 TC12700 TC12800 TC12900 TC13000 TC13100 TC13200 TC13300 TC13400 TC13500 TC13600 TC13700 TC13800 TC13900 TC14000 TC14100 TC14200 TC14300 TC14400 TC14500 TC14600 TC14700 TC14800 TC14900 TC15000 TC15100 TC15200 TC15300 TC15400 TC15500 TC15600 TC15700 TC15800 TC15900 TC16000 TC16100 TC16200 TC16300 TC16400 TC16500 TC16600 TC16700 TC16800 TC16900 TC17000 TC17100 TC17200 TC17300 TC17400 TC17500 TC17600 TC17700 TC17800 TC17900 TC18000 TC18100 TC18200 TC18300 TC18400 TC18500 TC18600 TC18700 TC18800 TC18900 TC19000 TC19100 TC19200 TC19300 TC19400 TC19500 TC19600 TC19700 TC19800 TC19900 TC20000 TC20100 TC20200 TC20300 TC20400 TC20500 TC20600 TC20700 TC20800 TC20900 TC21000 TC21100 TC21200 TC21300 TC21400 TC21500 TC21600 TC21700 TC21800 TC21900 TC22000 TC22100 TC22200 TC22300 TC22400 TC22500 TC22600 TC22700 TC22800 TC22900 TC23000 TC23100 TC23200 TC23300 TC23400 TC23500 TC23600 TC23700 TC23800 TC23900 TC24000 TC24100 TC24200 TC24300 TC24400 TC24500 TC24600 TC24700 TC24800 TC24900 TC25000 TC25100 TC25200 TC25300 TC25400 TC25500 TC25600 TC25700 TC25800 TC25900 TC26000 TC26100 TC26200 TC26300 TC26400 TC26500 TC26600 TC26700 TC26800 TC26900 TC27000 TC27100 TC27200 TC27300 TC27400 TC27500 TC27600 TC27700 TC27800 TC27900 TC28000 TC28100 TC28200 TC28300 TC28400 TC28500 TC28600 TC28700 TC28800 TC28900 TC29000 TC29100 TC29200 TC29300 TC29400 TC29500 TC29600 TC29700 TC29800 TC29900 TC30000 TC30100 TC30200 TC30300 TC30400 TC30500 TC30600 TC30700 TC30800 TC30900 TC31000 TC31100 TC31200 TC31300 TC31400 TC31500 TC31600 TC31700 TC31800 TC31900 TC32000 TC32100 TC32200 TC32300 TC32400 TC32500 TC32600 TC32700 TC32800 TC32900 TC33000 TC33100 TC33200 TC33300 TC33400 TC33500 TC33600 TC33700 TC33800 TC33900 TC34000 TC34100 TC34200 TC34300 TC34400 TC34500 TC34600 TC34700 TC34800 TC34900 TC35000 TC35100 TC35200 TC35300 TC35400 TC35500 TC35600 TC35700 TC35800 TC35900 TC36000 TC36100 TC36200 TC36300 TC36400 TC36500 TC36600 TC36700 TC36800 TC36900 TC37000 TC37100 TC37200 TC37300 TC37400 TC37500 TC37600 TC37700 TC37800 TC37900 TC38000 TC38100 TC38200 TC38300 TC38400 TC38500 TC38600 TC38700 TC38800 TC38900 TC39000 TC39100 TC39200 TC39300 TC39400 TC39500 TC39600 TC39700 TC39800 TC39900 TC40000 TC40100 TC40200 TC40300 TC40400 TC40500 TC40600 TC40700 TC40800 TC40900 TC41000 TC41100 TC41200 TC41300 TC41400 TC41500 TC41600 TC41700 TC41800 TC41900 TC42000 TC42100 TC42200 TC42300 TC42400 TC42500 TC42600 TC42700 TC42800 TC42900 TC43000 TC43100 TC43200 TC43300 TC43400 TC43500 TC43600 TC43700 TC43800 TC43900 TC44000 TC44100 TC44200 TC44300 TC44400 TC44500 TC44600 TC44700 TC44800 TC44900 TC45000 TC45100 TC45200 TC45300 TC45400 TC45500 TC45600 TC45700 TC45800 TC45900 TC46000 TC46100 TC46200 TC46300 TC46400 TC46500 TC46600 TC46700 TC46800 TC46900 TC47000 TC47100 TC47200 TC47300 TC47400 TC47500 TC47600 TC47700 TC47800 TC47900 TC48000 TC48100 TC48200 TC48300 TC48400 TC48500 TC48600 TC48700 TC48800 TC48900 TC49000 TC49100 TC49200 TC49300 TC49400 TC49500 TC49600 TC49700 TC49800 TC49900 TC50000 TC50100 TC50200 TC50300 TC50400 TC50500 TC50600 TC50700 TC50800 TC50900 TC51000 TC51100 TC51200 TC51300 TC51400 TC51500 TC51600 TC51700 TC51800 TC51900 TC52000 TC52100 TC52200 TC52300 TC52400 TC52500 TC52600 TC52700 TC52800 TC52900 TC53000 TC53100 TC53200 TC53300 TC53400 TC53500 TC53600 TC53700 TC53800 TC53900 TC54000 TC54100 TC54200 TC54300 TC54400 TC54500 TC54600 TC54700 TC54800 TC54900 TC55000 TC55100 TC55200 TC55300 TC55400 TC55500 TC55600 TC55700 TC55800 TC55900 TC56000 TC56100 TC56200 TC56300 TC56400 TC56500 TC56600 TC56700 TC56800 TC56900 TC57000 TC57100 TC57200 TC57300 TC57400 TC57500 TC57600 TC57700 TC57800 TC57900 TC58000 TC58100 TC58200 TC58300 TC58400 TC58500 TC58600 TC58700 TC58800 TC58900 TC59000 TC59100 TC59200 TC59300 TC59400 TC59500 TC59600 TC59700 TC59800 TC59900 TC60000 TC60100 TC60200 TC60300 TC60400 TC60500 TC60600 TC60700 TC60800 TC60900 TC61000 TC61100 TC61200 TC61300 TC61400 TC61500 TC61600 TC61700 TC61800 TC61900 TC62000 TC62100 TC62200 TC62300 TC62400 TC62500 TC62600 TC62700 TC62800 TC62900 TC63000 TC63100 TC63200 TC63300 TC63400 TC63500 TC63600 TC63700 TC63800 TC63900 TC64000 TC64100 TC64200 TC64300 TC64400 TC64500 TC64600 TC64700 TC64800 TC64900 TC65000 TC65100 TC65200 TC65300 TC65400 TC65500 TC65600 TC65700 TC65800 TC65900 TC66000 TC66100 TC66200 TC66300 TC66400 TC66500 TC66600 TC66700 TC66800 TC66900 TC67000 TC67100 TC67200 TC67300 TC67400 TC67500 TC67600 TC67700 TC67800 TC67900 TC68000 TC68100 TC68200 TC68300 TC68400 TC68500 TC68600 TC68700 TC68800 TC68900 TC69000 TC69100 TC69200 TC69300 TC69400 TC69500 TC69600 TC69700 TC69800 TC69900 TC70000 TC70100 TC70200 TC70300 TC70400 TC70500 TC70600 TC70700 TC70800 TC70900 TC71000 TC71100 TC71200 TC71300 TC71400 TC71500 TC71600 TC71700 TC71800 TC71900 TC72000 TC72100 TC72200 TC72300 TC72400 TC72500 TC72600 TC72700 TC72800 TC72900 TC73000 TC73100 TC73200 TC73300 TC73400 TC73500 TC73600 TC73700 TC73800 TC73900 TC74000 TC74100 TC74200 TC74300 TC74400 TC74500 TC74600 TC74700 TC74800 TC74900 TC75000 TC75100 TC75200 TC75300 TC75400 TC75500 TC75600 TC75700 TC75800 TC75900 TC76000 TC76100 TC76200 TC76300 TC76400 TC76500 TC76600 TC76700 TC76800 TC76900 TC77000 TC77100 TC77200 TC77300 TC77400 TC77500 TC77600 TC77700 TC77800 TC77900 TC78000 TC78100 TC78200 TC78300 TC78400 TC78500 TC78600 TC78700 TC78800 TC78900 TC79000 TC79100 TC79200 TC79300 TC79400 TC79500 TC79600 TC79700 TC79800 TC79900 TC80000 TC80100 TC80200 TC80300 TC80400 TC80500 TC80600 TC80700 TC80800 TC80900 TC81000 TC81100 TC81200 TC81300 TC81400 TC81500 TC81600 TC81700 TC81800 TC81900 TC82000 TC82100 TC82200 TC82300 TC82400 TC82500 TC82600 TC82700 TC82800 TC82900 TC83000 TC83100 TC83200 TC83300 TC83400 TC83500 TC83600 TC83700 TC83800 TC83900 TC84000 TC84100 TC84200 TC84300 TC84400 TC84500 TC84600 TC84700 TC84800 TC84900 TC85000 TC85100 TC85200 TC85300 TC85400 TC85500 TC85600 TC85700 TC85800 TC85900 TC86000 TC86100 TC86200 TC86300 TC86400 TC86500 TC86600 TC86700 TC86800 TC86900 TC87000 TC87100 TC87200 TC87300 TC87400 TC87500 TC87600 TC87700 TC87800 TC87900 TC88000 TC88100 TC88200 TC88300 TC88400 TC88500 TC88600 TC88700 TC88800 TC88900 TC89000 TC89100 TC89200 TC89300 TC89400 TC89500 TC89600 TC89700 TC89800 TC89900 TC90000 TC90100 TC90200 TC90300 TC90400 TC90500 TC90600 TC90700 TC90800 TC90900 TC91000 TC91100 TC91200 TC91300 TC91400 TC91500 TC91600 TC91700 TC91800 TC91900 TC92000 TC92100 TC92200 TC92300 TC92400 TC92500 TC92600 TC92700 TC92800 TC92900 TC93000 TC93100 TC93200 TC93300 TC93400 TC93500 TC93600 TC93700 TC93800 TC93900 TC94000 TC94100 TC94200 TC94300 TC94400 TC94500 TC94600 TC94700 TC94800 TC94900 TC95000 TC95100 TC95200 TC95300 TC95400 TC95500 TC95600 TC95700 TC95800 TC95900 TC96000 TC96100 TC96200 TC96300 TC96400 TC96500 TC96600 TC96700 TC96800 TC96900 TC97000 TC97100 TC97200 TC97300 TC97400 TC97500 TC97600 TC97700 TC97800 TC97900 TC98000 TC98100 TC98200 TC98300 TC98400 TC98500 TC98600 TC98700 TC98800 TC98900 TC99000 TC99100 TC99200 TC99300 TC99400 TC99500 TC99600 TC99700 TC99800 TC99900

U.S. Patent Documents

Examiner Initial		Patent Number	Date	Patentee	Class	Sub-Class	Filing Date
A.J.L		3,788,310	1-29-1974	Fleischmann			
		4,106,503	8-15-1978	Rosenthal et al.			
		4,484,577	11-27-1984	Sackner et al.			
		4,627,432	12-9-1986	Newell et al.			
		4,677,975	7-7-1987	Edgar et al.			
		4,778,054	10-18-1988	Newell et al.			
		4,811,731	3-14-1989	Newell et al.			
		5,284,133	2-8-1994	Burns et al.			
		5,419,315	5-30-1995	Rubsamen			
		5,558,085	9-24-1996	Rubsamen et al.			
		5,622,166	4-22-1997	Eisele et al.			
		5,692,492	12-2-1997	Bruna et al.			
		5,873,358	2-23-1999	Gonda et al.			
		5,993,421	11-30-1999	Kriesel			
A.J.L		6,085,753	7-11-2000	Gonda et al.			

Examiner: Aaron J. Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box –

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

*Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	0037.00

SEP 2 8 2001 PATENT & TRADEMARK OFFICE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
A.J.L	1A	ELLIOTT ET AL., "." Aust. Paediatr. J., p. 293-297. (February 28, 1987).	

Examiner Signature	Aaron J. Lewis	Date Considered	9/1/06

*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OIPE SEP 28 2001 PATENT & TRADEMARK OFFICE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	0037.00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AFP	1	5,320,094		Laube et al.	06/14/1994	
AFP	2	5,364,838		Rubsamen et al.	11/15/1994	
AFP	3	5,672,581		Rubsamen	09/30/1997	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
AFP	4	WO	97 40819		Dura	11/06/1997		
AFP	5	EP	692990		Minnesota Mining	09/23/1998		

Examiner Signature	Aaron J Lewis	Date Considered	9	1	06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OIPE JC18 SEP 28 2001 PATENT & TRADEMARK OFFICE

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

Other Documents

Examiner Initial		No.	Author, Title, Date, Place (e.g. Journal) of Publication						
A.J.L		A	WO97/40819	11-6-1997	PCT	—	—		
A.J.L		B	WO00/21594	4-20-2000	PCT	—	—		
A.J.L		C	WO99/46055	6-16-1999	PCT	—	—		
A.J.L		D	WO98/32479	7-30-1998	PCT	—	—		
A.J.L		E	1,598,053	9-16-1981	Great Britain	—	—		

Examiner: Aaron J Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (Modified)	Atty Docket No.: 0037.00	Application No.: 09/414,384
Information Disclosure Statement By Applicant	Applicant: Clark et al.	
(Use Several Sheets if Necessary)	Filing Date: 10-7-99	Group: 3761

IPE SCIBA SEP 2 8 2001 PATENT & TRADEMARK OFFICE

U.S. Patent Documents

Examiner Initial		Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
A.L		2,587,215	2-26-1952	Priestly	—	—	
		3,837,341	9-24-1974	Bell	—	—	
		4,274,404	6-23-1981	Molzan et al.	—	—	
		4,442,856	4-17-1984	Betz	—	—	
		4,533,137	8-6-1985	Sonne	—	—	
		5,040,527	8-20-1991	Larson et al.	—	—	
		5,042,467	8-27-1991	Foley	—	—	
		5,301,666	4-12-1994	Lerk et al.	—	—	
		5,408,994	4-25-1995	Wass et al.	—	—	
		5,522,380	6-4-1996	Dwork	—	—	
		5,586,550	12-24-1996	Ivri et al.	—	—	
		5,823,183	10-20-1998	Casper et al.	—	—	
		5,855,202	1-5-1999	Andrade	—	—	
		5,884,620	3-23-1999	Gonda et al.	—	—	
		5,941,240	8-24-1999	Gonda et al.	—	—	
		6,029,663	2-29-2000	Eisele et al.	—	—	
		6,076,523	6-20-2000	Jones et al.	—	—	
		6,095,134	8-1-2000	Sievers et al.	—	—	
		6,116,238	9-12-2000	Jackson et al.	—	—	
		6,138,673	10-31-2000	Shepherd	—	—	
A.L		6,142,146	11-7-2000	Abrams et al.	—	—	

Examiner: Aaron J. Lewis	Date Considered: 9/1/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OIPE JC79
NOV 04 2002
PATENT & TRADEMARK OFFICE

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/414,384
Filing Date	10/07/1999
First Named Inventor	Andrew Clark
Art Unit	3236
Examiner Name	A. Lewis
Attorney Docket Number	0037.00

RECEIVED
NOV - 7 2002
TECHNOLOGY CENTER R3700

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] -Number[4] -Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	1	HU 213685		Norton Healthcare		
	2	HU 217917		Dura		
	3	HU 181864		Aktiebolaget Draco		
	4	HU P9602818		Dura		

Examiner Signature		Date Considered	9/1/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.